

Amendments to the Specification

Please replace the first paragraph of the first page of the specification, “The present application claims priority . . .” with the following paragraph:

“The present application is related to U.S. Patent No. 6,408,321 (formerly Attorney Docket No. YO999-149), entitled “Method and Apparatus for Mapping Components of Descriptor Vectors to a Space That Discriminates Between Groups,” and U.S. Patent No. 6,349,265 (formerly Attorney Docket No. YO999-150), entitled “Method and Apparatus for Mapping Components of Descriptor Vectors for Molecular Complexes to a Space That Discriminates Between Groups,” which are herein incorporated by reference in their entirety.”

On page 5 of the specification, before the paragraph starting “FIGS. 7(A) and (B) is a pictorial illustration . . .” please insert the following paragraph:

“FIG. 6 is a flow chart illustrating the acquisition phase of the present invention, wherein data representing the structure of a given molecule is stored in persistent memory.”

Please replace the abstract of pages 57 and 58 of the specification, “The method of the present invention . . .” with the following paragraph:

“A method in a data processing system for generating and storing in a database at least one descriptor vector and at least one reference frame for at least one region of a molecule is disclosed. The method includes generating an entry comprising: i) a key derived from the at least one descriptor vector, wherein the key identifies the at least one region, and ii) a set of axes derived from property distribution information of the at least one region, the set of axes characterizing the at least one region. The method further includes applying a mapping to the descriptor vector associated with the at least one region based on preselected criteria and storing the entry in a memory, wherein the key is associated with the entry such that the key indexes the entry for retrieval thereof.”